

the factory-glazed awning window

ARNOLD

AWN-WIN

field glazed

ARNOLD

AWNING WINDOWS

factory-assembled or knocked-down

ARNOLD

JALOUSIES

the three purpose jalousie door

ARNOLD

JAL-DOR

Arnold

PRODUCTS SALES CORPORATION

6721 N.W. 36th Avenue • Miami • Florida

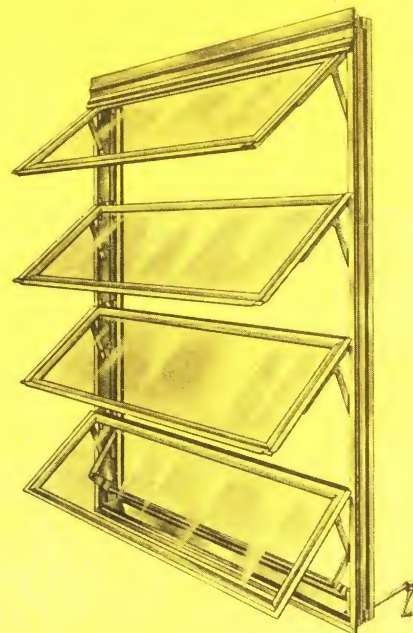


AWN-WIN

weatherstripped factory-glazed awning window

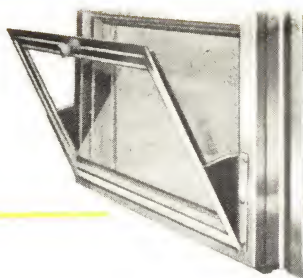
The graceful proportions, sweeping lines and deep-down quality of Arnold Awn-Win Windows enhance the value and appearance of any structure. In addition to factory glazing and all the advantages inherent in modern, all-aluminum awning-type windows, Awn-Wins offer the following special features:

- ★ Operating mechanism glides on friction-free nylon bearings. These act as fulcrums to close vents tight at bottom without destructive wear at hinge points.
- ★ Specially engineered sealed operator (see page 6) locks vents in any position. Noiseless, touch-control operation seals Awn-Wins clam-tight against full cork weatherstripping, reducing fuel and air-conditioning costs. No additional locking devices necessary.
- ★ Rugged, precision-built horizontal torque shaft actuates both sides of window simultaneously . . . and delivers equal closing force along both window jambs. Standard in all Arnold windows.



Hopper Vent

Provides necessary additional ventilation control. Most practical for use in school, commercial and institutional construction. The Hopper Vent is available in both Arnold Awn-Win and Arnold Field Glazed Awning Window.



AWN-WIN specifications

materials

The head, jambs, and sill shall be of a heavy section extruded in accordance with Arnold die drawings. The material shall be 6063-T5 alloy having a minimum thickness of .081". The vent supporting brackets shall be die formed of 3003-H14 alloy, having a thickness of .125". The vent frame sections shall be a special hollow extruded shape of 6063-T5 alloy. All connecting and operating links shall be 6063-T5 alloy, having a thickness of .125" or .188". Mullions shall be of the interlocking type, extruded of 6063-T5 alloy. All rivets, screws, clips, and rollers shall be of aluminum, stainless steel, or nylon, selected according to the design requirements.

hardware

The specially designed operator shall consist of a die cast aluminum housing, containing a bronze worm gear and a hardened steel worm. A stainless steel thrust washer shall be provided at each end of the worm. Bearing for the hexagonal torque shaft shall be of stainless steel running in the aluminum housing. The torque shaft shall be a 3/4" hexagonal extrusion of 6063-T5 alloy. The operator housing shall be packed with lubricating grease.

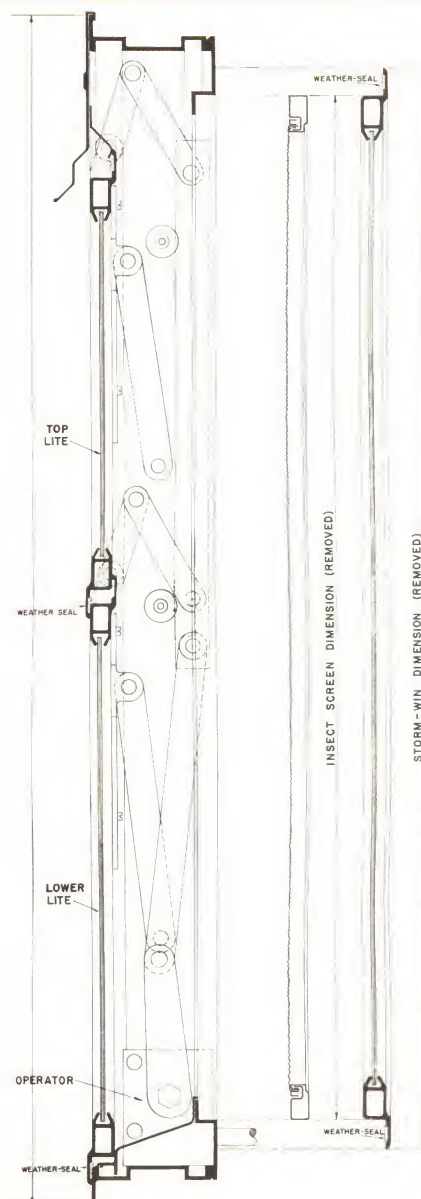
construction

Basic construction shall be riveted, mitered corners using suitable reinforcing clips. All movable joints shall be made with special shoulder rivets or studs in order to control clearances between moving parts. Effective bearing diameters shall be .312". The vent frames shall be mitered and joined with rigid corners which are inserted into the hollow ends of the frame sections. These corners are secured by means of self tapping screws.

screens

Screens shall be an all aluminum frame and shall be constructed with 14 x 18 mesh aluminum wire. They shall be attached by means of special screen clips for easy removal.

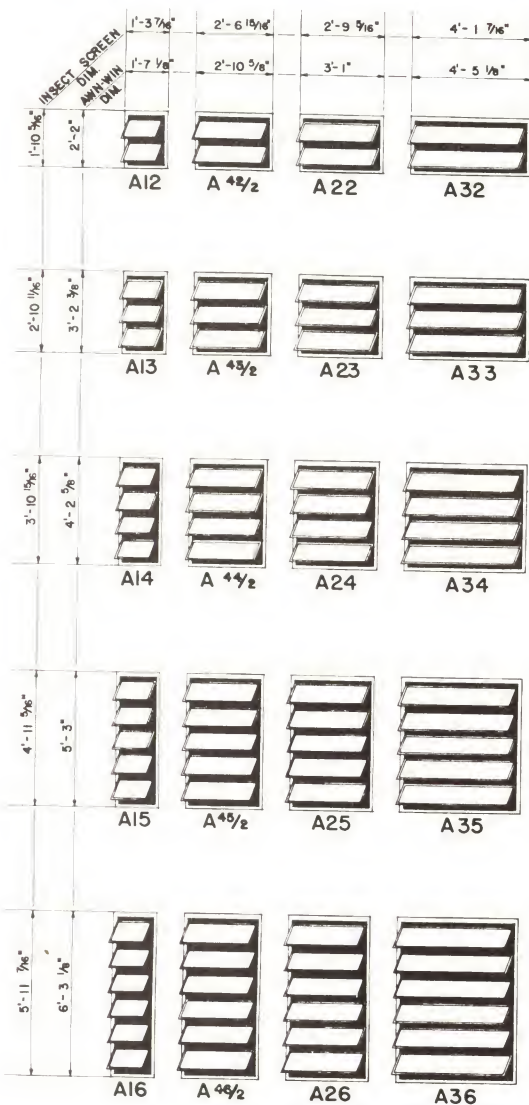
Test results showing superior Arnold performance in water leakage and air infiltration available upon request.



sizes and types

standard sizes

Buck opening dimension $\frac{3}{4}$ " less than Awn-Win dimension.
(Allows $\frac{1}{8}$ " tolerance at all sides.)

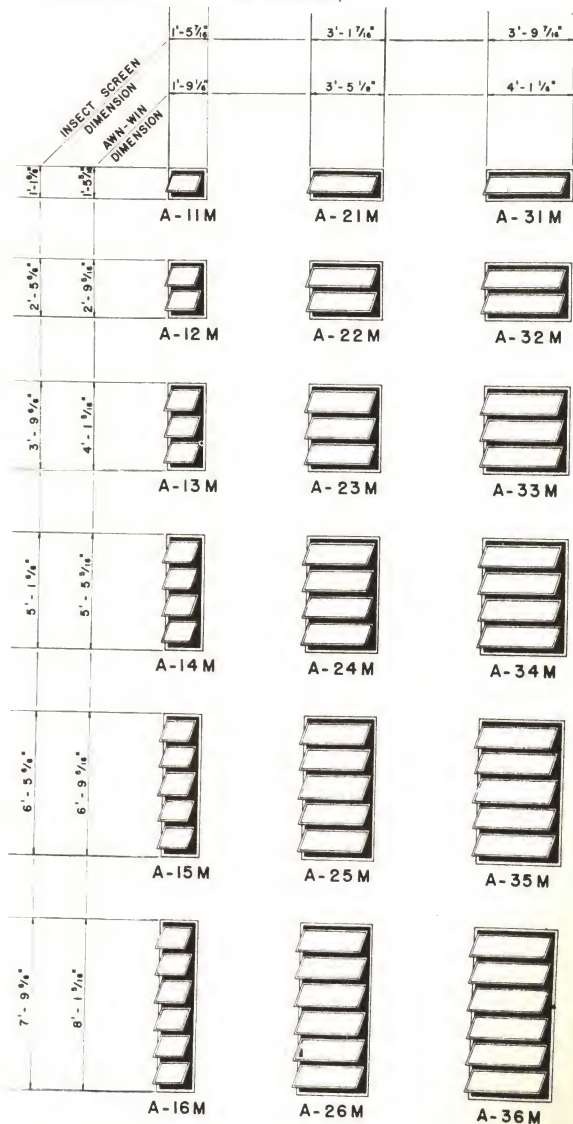


ARNOLD Awn-WIN

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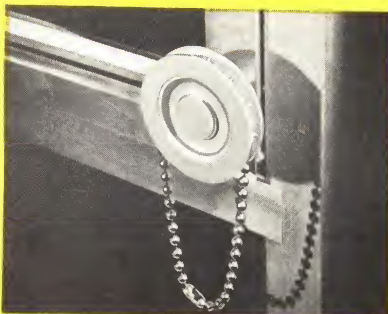
modular sizes

Buck opening dimension $\frac{3}{4}$ " less than Awn-Win dimension.
(Allows $\frac{1}{8}$ " tolerance at all sides.)

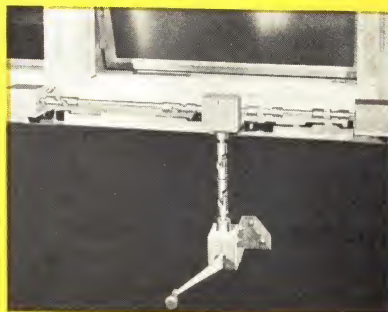


ALL ABOVE TYPES & SIZES AVAILABLE WITH HOPPER VENTS

optional operators



Here are two examples of Arnold remote control operators for easy operation of clerestory or other out-of-reach locations. See page 6 for



exclusive Arnold sealed operator — standard on both Arnold Awn-Win and Arnold field glazed windows.

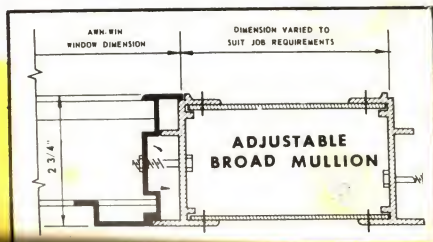
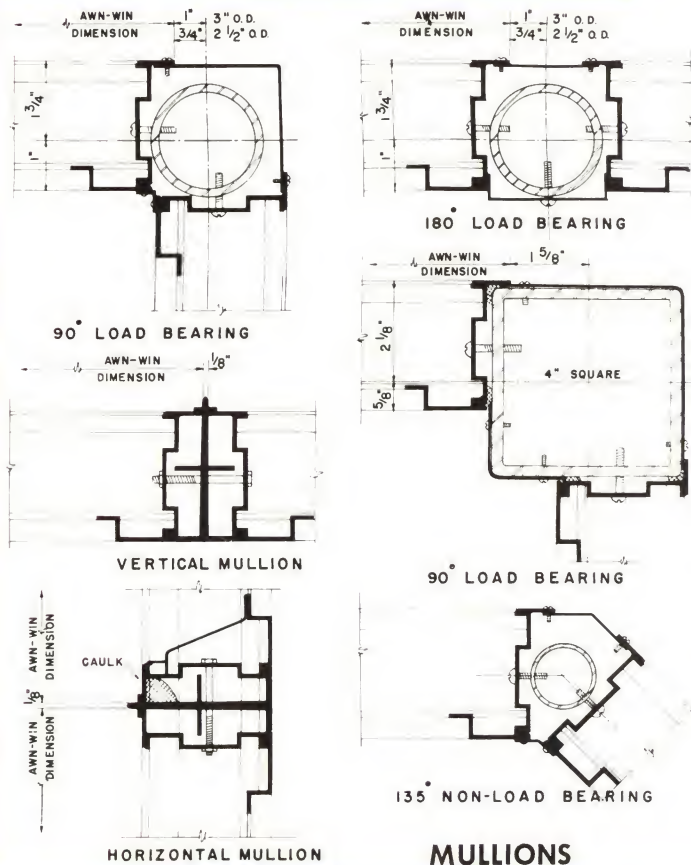
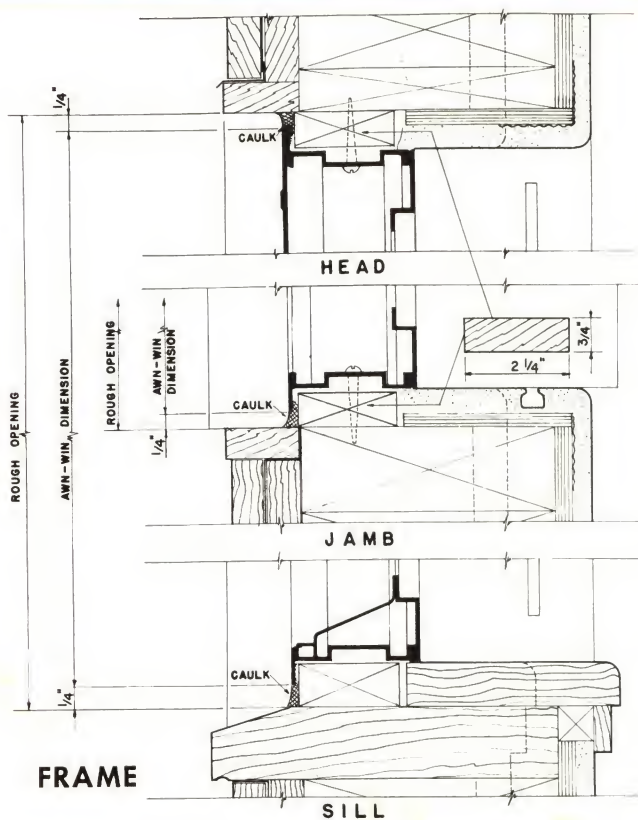
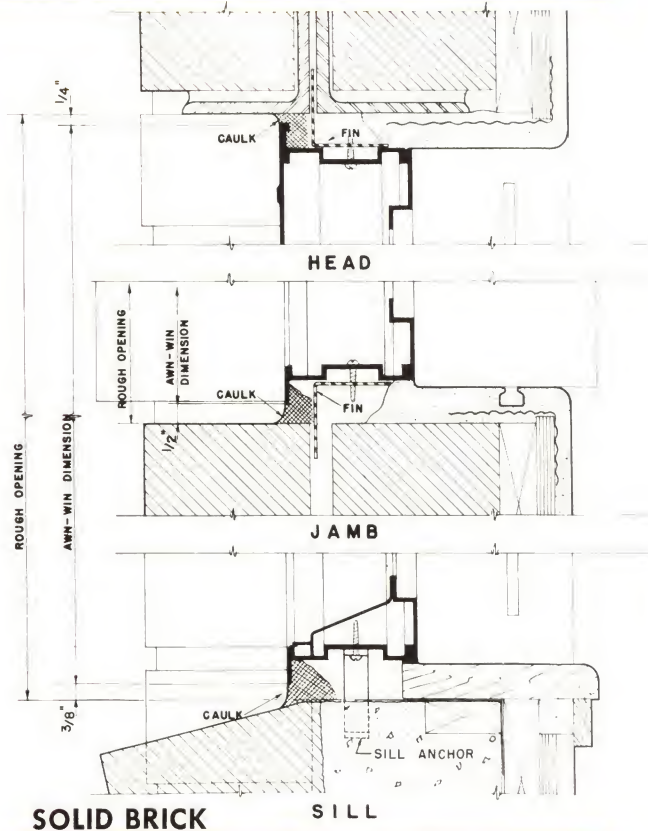
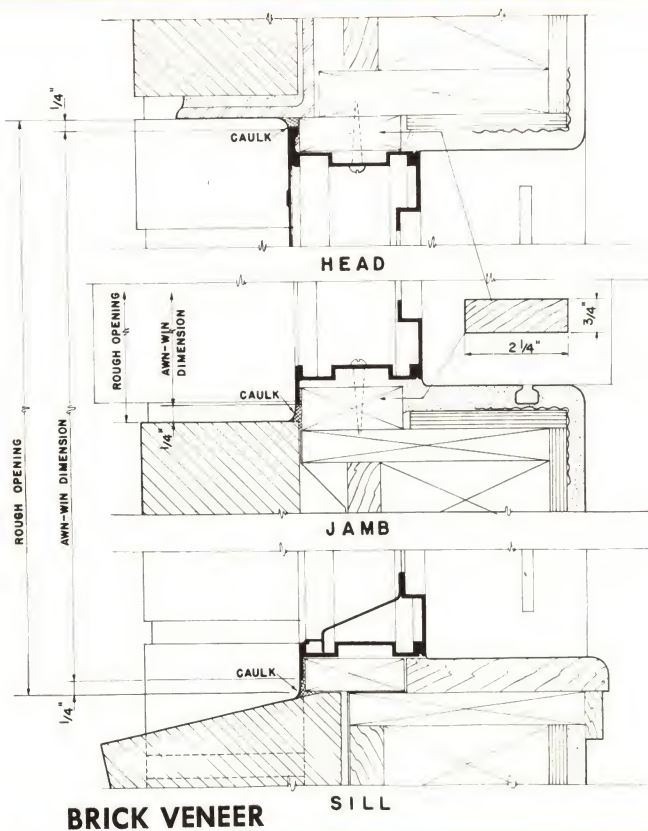
AWN-WIN STANDARD

	HEIGHT	GLASS SIZES				
		WIDTH				
TOP VENTS	7 1/4"	15 1/4"	30 3/4"	33 1/8"	40 1/4"	49 1/4"
OTHER VENTS	10 1/2"	15 1/4"	30 3/4"	33 1/8"	40 1/4"	49 1/4"
WINDOW OVERALL WIDTH		1'-7 1/8"	2'-10 3/8"	3'-1"	4'-5 1/8"	

AWN-WIN MODULAR

	HEIGHT	GLASS SIZES			
		WIDTH			
TOP VENTS	10 7/8"	17 1/4"	37 1/4"	45 1/4"	
OTHER VENTS	14 1/2"	17 1/4"	37 1/4"	45 1/4"	
WINDOW OVERALL WIDTH		1'-9 1/8"	3'-5 1/8"	4'-1 1/8"	

ARNOLD AWN-WIN installation details • scale 3" — 1' 0"



A versatile mullion arrangement for either vertical or horizontal use, designed to solve a variety of architectural and construction problems. It has particular value when used in large openings, or where wide mullions enhance the beauty. This mullion can be made to any desired width and, if necessary, is easily adjusted in the field.

Arnold

FIELD GLAZED AWNING WINDOWS

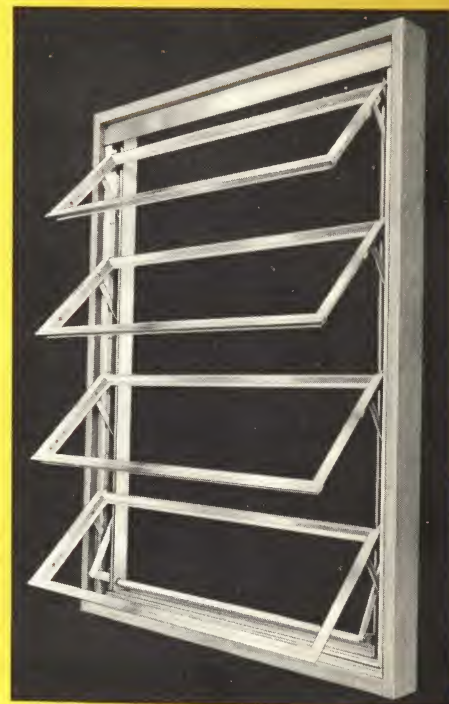
Stainless Steel Weatherstripping

features

The field glazed Arnold Awning window enjoys all the performance-proven operating features of the factory glazed Arnold Awn - Win window. In addition, the Arnold Awning window has the following exclusive advantages:

- ★ The protection of Arnold pioneered lifetime stainless steel weatherstripping eliminates the possibility of peeling and cracking due to freezing of ordinary plastic.
- ★ Added interior attractiveness with interchangeable flange-type Arnold screen or Arnold Storm-Win storm sash overlapping window frame. Adds smooth lines to any room interior.
- ★ Simplified operating mechanism with hardware concealed from sight, yet parts readily accessible for lubrication. Retains operational ease and minimum wear features of Arnold Awn-Win window.
- ★ Vent and frame sections are so designed to achieve double weathering at all contact points. In conjunction with the stainless steel weatherstripping, this insures minimum air infiltration and maximum water-tight security.

..... a simplified operating mechanism that glides on friction-free nylon bearings which act as fulcrums to close vents tight at the bottom with no destructive wear at hinge points.



FIELD GLAZED AWNING WINDOW specifications

materials

All frame and vent members shall be of a heavy section extruded in accordance with Arnold die drawings. The material shall be 6063-T5 alloy having a minimum thickness of .081". Vent sections shall have a minimum depth of 1.000". Vent supporting brackets shall be die formed of 3003-H14 alloy having a thickness of .125". All connecting and operating rods shall be of 6063-T5 alloy having a thickness of .188" and balance arms shall have a thickness of .125". Mullions shall be of the interlocking type extruded of 6063-T5 alloy. All rivets, screws, clips, and rollers shall be of aluminum, stainless steel or nylon according to the design requirements. Weatherstripping shall be type 302 stainless steel specially designed to snap in a slot provided in the sill, vent top, and jamb cover extrusions.

hardware

The specially designed operator shall consist of a die cast aluminum housing, containing a bronze worm gear and a hardened steel worm. A stainless steel thrust washer shall be provided at each end of the worm. Bearings for the hexagonal torque shaft shall be of stainless steel running in the aluminum housing. The torque shaft shall be a 3/4" hexagonal extrusion of 6063-T5 alloy. The operator housing shall be packed with lubricating grease.

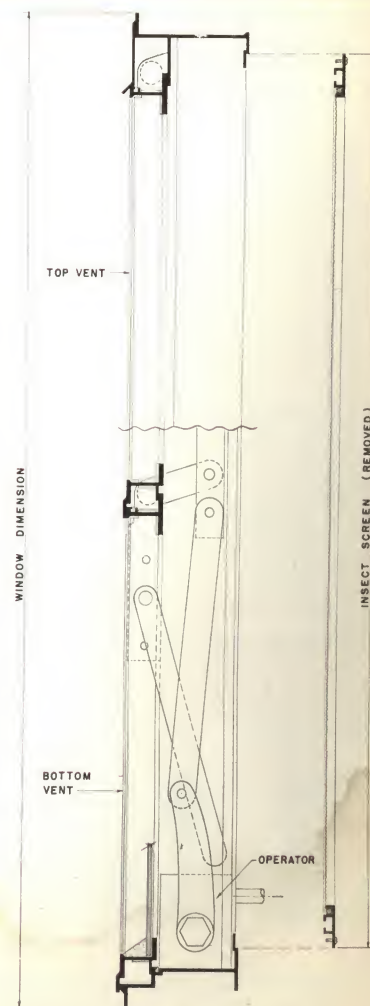
construction

Basic construction shall be of the mortise and tenon type. All movable joints shall be made with specially designed shoulder rivets, or shoulder studs with stainless steel spring clips, in order to control clearances. Effective bearing diameters shall be .312".

screens

Screens shall be an all aluminum frame of either a box or flanged section with 14 x 18 mesh aluminum wire. They shall be attached by means of special screen clips for easy removal.

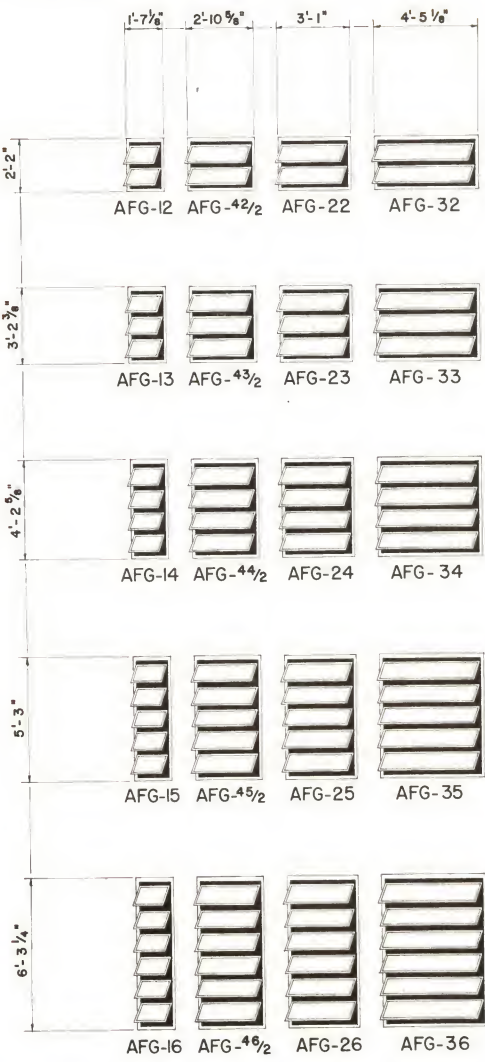
Test results showing superior Arnold performance in water leakage and air infiltration available upon request.



vertical section

ARNOLD FIELD GLAZED AWNING WINDOWS

sizes and types

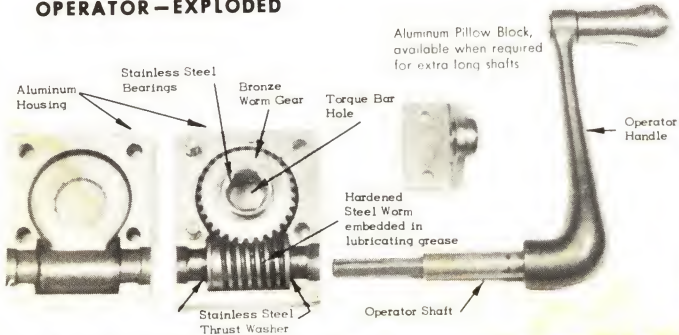


ALL ABOVE SIZES AVAILABLE WITH HOPPER VENTS

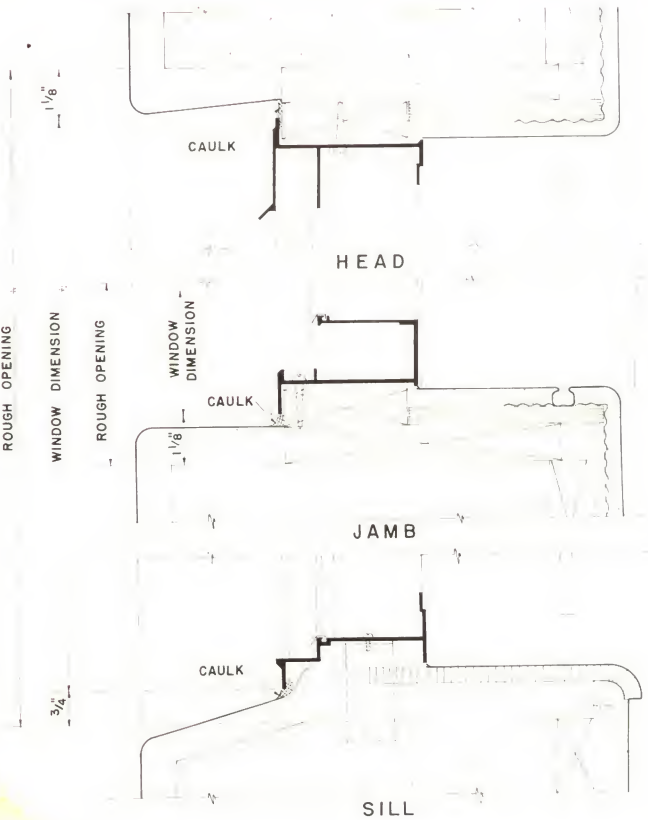
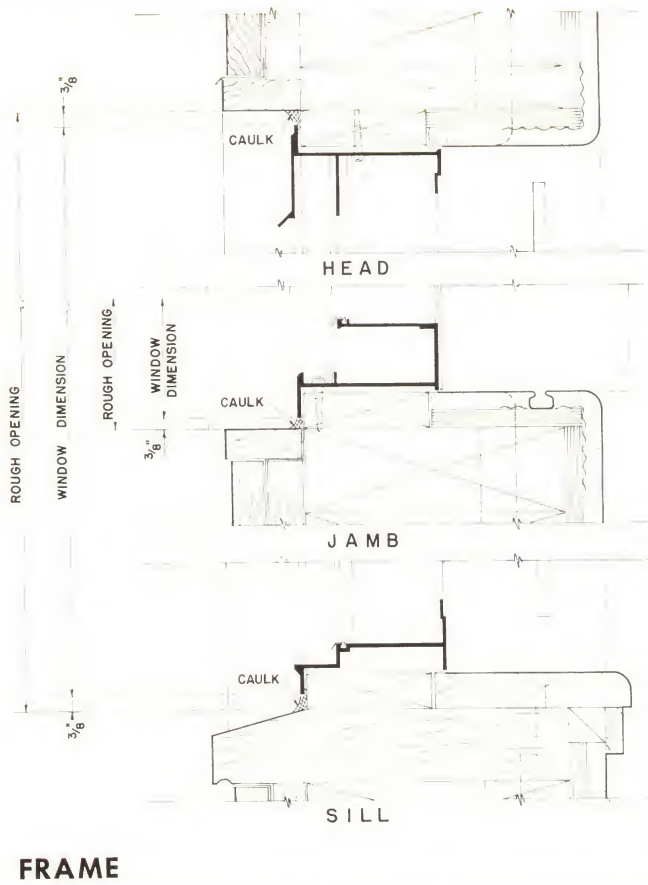
Field glazed awning windows available in all modular sizes

GLASS SIZES	WIDTH				HEIGHT
TOP VENTS	16"	31 ¹ / ₂ "	33 ⁷ / ₈ "	50"	9 ⁷ / ₈ "
OTHER VENTS	16"	31 ¹ / ₂ "	33 ⁷ / ₈ "	50"	11 ¹ / ₈ "

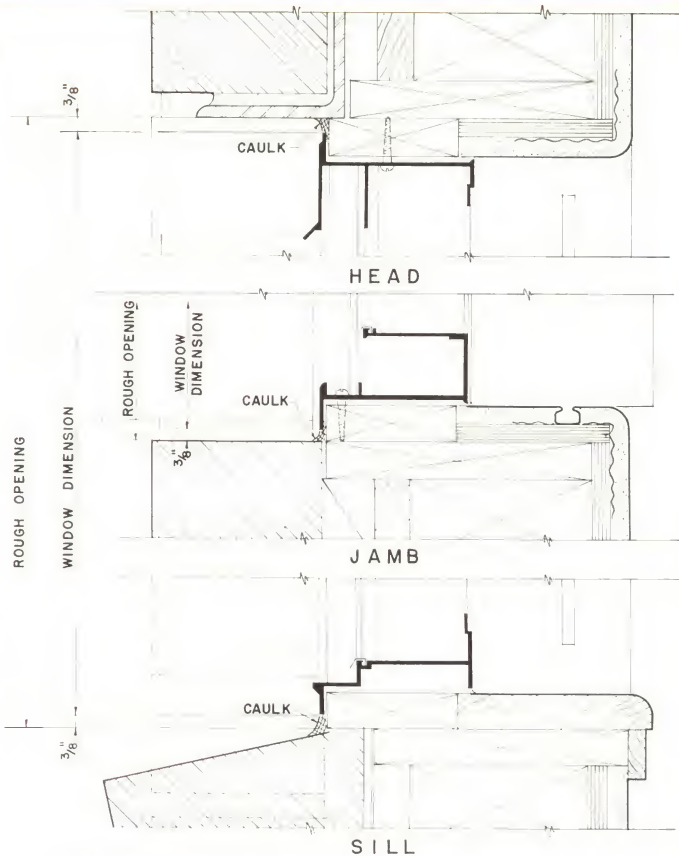
OPERATOR—EXPLODED



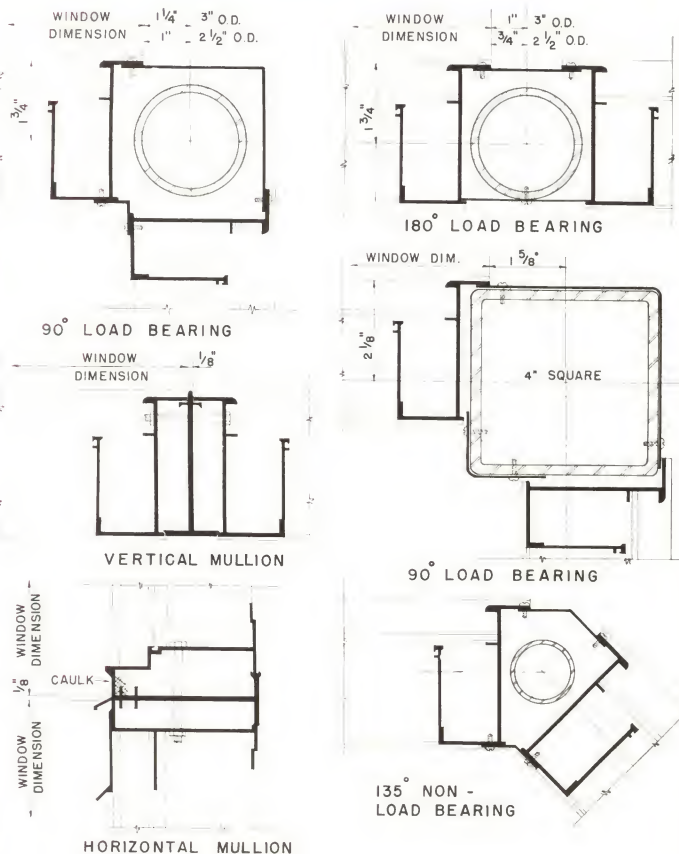
"This compact, sealed operator is standard on both Arnold Awn-Win and Arnold field glazed windows. Operator mechanism does not protrude into room."



CONCRETE BLOCK



BRICK VENEER



MULLIONS

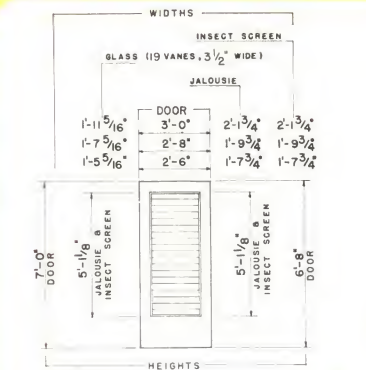
Arnold Storm-Win storm sash is available for these windows

Arnold

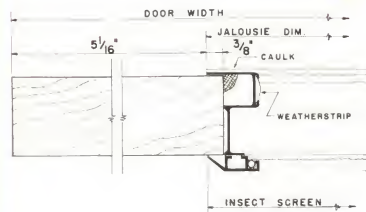
JAL-DOR

Available in K.D. Kits
For Door Manufacturers

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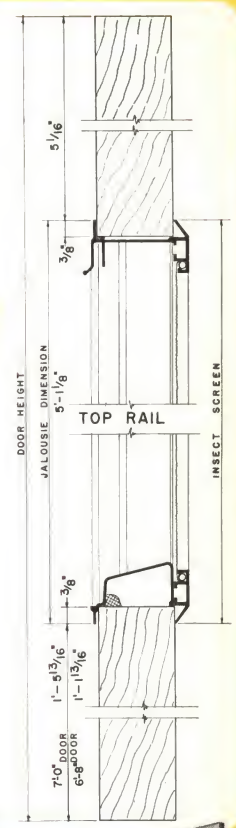


SIZE SCHEDULE



STILE

JALOUSIE DOOR
MODEL III



BOTTOM RAIL

specifications materials

All frame members shall be 6063-T5 alloy extruded in accordance with Arnold die drawings. The glass supporting brackets shall be die formed of 3003-H14 alloy, having a minimum thickness .051". The extruded screen frame shall be designed so as to eliminate the need for additional molding or trim. Glass width shall be 3 1/2".

hardware

The operator shall be of the worm and sector type, mounted on the screen frame near the center of the insert.

construction

Basic construction shall be of the interlocking type requiring no additional corners or clips. The head and sill are locked in place by the jambs. All movable joints shall be made with special aluminum shoulder rivets in order to control clearances between moving parts.

weatherstripping

Weatherstripping shall be of type 302 stainless steel specially rolled to fit in a slot extruded in the jambs. The shoulder rivets used on assembly assure proper clearances so that the weatherstripping is effective at all times.

screens

Screens shall have a special extruded aluminum frame and shall be constructed of 14 x 18 mesh aluminum wire. They shall be attached by means of sheet metal screws.



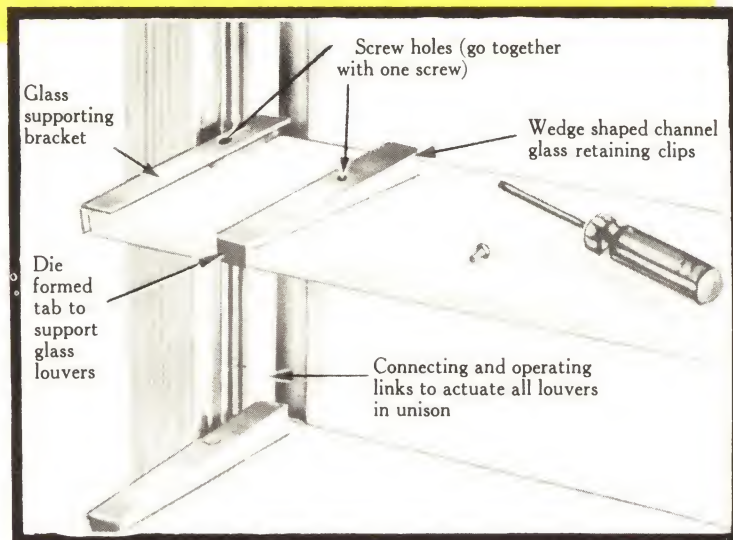
Arnold JALOUSIES

factory-assembled or knocked-down
Stainless Steel Weatherstripping



Arnold pioneered stainless steel weatherstripping, and exclusive Arnold wedge louver clips place Arnold Jalousies head and shoulders above the crowd . . . eliminate glass rattling and assure positive louver alignment for absolute tight fit and minimum air infiltration.

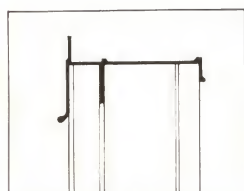
Model II. Heavy duty construction for prime window and door use (also see page 7 for special door jalousie Model III). Frame recessed for interchangeable screen and storm sash.



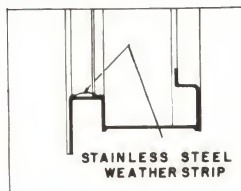
Standard Sizes Window Overall Sizes

Catalog No.	Width	Height
J-12.....	1'7 ¹ / ₈ " x 2'2"	
J-13.....	1'7 ¹ / ₈ " x 3'2 ³ / ₈ "	
J-14.....	1'7 ¹ / ₈ " x 4'2 ⁵ / ₈ "	
J-15.....	1'7 ¹ / ₈ " x 5'3"	
J-16.....	1'7 ¹ / ₈ " x 6'3 ¹ / ₄ "	
J-32/2.....	2'2 ¹ / ₂ " x 2'2"	
J-33/2.....	2'2 ¹ / ₂ " x 3'2 ³ / ₈ "	
J-34/2.....	2'2 ¹ / ₂ " x 4'2 ⁵ / ₈ "	
J-35/2.....	2'2 ¹ / ₂ " x 5'3"	
J-36/2.....	2'2 ¹ / ₂ " x 6'3 ¹ / ₄ "	
J-22.....	3'1" x 2'2"	
J-23.....	3'1" x 3'2 ³ / ₈ "	
J-24.....	3'1" x 4'2 ⁵ / ₈ "	
J-25.....	3'1" x 5'3"	
J-26.....	3'1" x 6'3 ¹ / ₄ "	

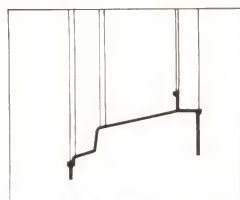
JALOUSIE SECTION DETAILS MODEL II



HEAD



JAMB



SILL

specifications

materials

All frame members shall be specially designed 6063-T5 alloy extrusions having a minimum thickness of .062" in accordance with Arnold die drawings. The glass supporting brackets shall be die formed of 3003-H14 alloy having a thickness of .051". Glass retaining clips shall be die formed to a wedge shaped channel from .040" thick 3003-H14 alloy. Glass width shall be 4¹/₂". All connecting bars and links shall have a minimum thickness of .125". Mullions shall be of the interlocking type extruded of 6063-T5 alloy.

hardware

The operator shall be of the worm and sector type, mounted on the jamb near the sill.

construction

Basic frame construction shall be mechanically joined corners using suitable die formed corner clips so designed that final assembly is by means of aluminum sheet metal screws. All movable joints shall be made with special aluminum shoulder rivets in order to control clearances between moving parts. Effective bearing diameter shall be .250". The glass retaining clips shall be designed to hold the glass tightly at all times. The tabs which support the glass are pre-formed and no bending is required on installation.

weatherstripping

Weatherstripping shall be of type 302 stainless steel specially rolled to fit in a slot extruded in the jambs. The shoulder rivets used on assembly assure proper clearances so that the weatherstripping is effective at all times.

screens

Screens shall have an aluminum frame and shall be constructed of 14 x 18 mesh aluminum wire. They shall be attached by means of special screen clips for easy removal.

Arnold

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